Princess Sumaya University for Technology
جامعة الأميرة سمية للتكنولوجيا

Date Of Issue: 12/11/2026

Study Plan for Master'sDegree in Intelligent Systems Engineering MSc for year 2025 - 2026

The Master's Degree Program (Thesis) in Intelligent Systems Engineering MSc awarded at Princess Sumaya University for Technology after the successful completion of 34 Credit Hours distributed as follows:-

Program Requirements (25 CHs)

1. Compulsory Requirements (16 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent	Online
22700	Seminar & Research Methodology	1			
22701	Embedded Systems Design	3			
22760	Applied Machine Learning	3			
22761	Computer Vision	3			Blended
22771	Autonomous Systems	3			Blended
22773	Intelligent Systems	3			

2. Elective Requirements (9 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent	Online
21702	VLSI Design	3			Online
22702	Real-Time Computing	3			Blended
22703	Advanced Computer Architecture	3			Blended
22711	Computer Communications and Networks	3			Blended
22712	Cloud Computing	3			Blended
22721	High Performance Computing	3			Blended
22722	Quantum Computing	3			Blended
22723	Computer Hardware Design	3			Online
22730	Information and Systems Security	3			Online
22731	Industrial Control Systems Security	3			Blended
22732	Reverse Engineering	3			Online
22740	Law, Science, and Technology	3			Online
22762	Big Data Analytics	3			Blended
22772	Advanced Deep Learning	3	22760		Blended
22780	Special Topics in Intelligent Systems (1)	3			Blended
22781	Special Topics in Intelligent Systems (2)	3			Online
22782	Special Topics in Computer Engineering (1)	3			Blended
22783	Special Topics in Computer Engineering (2)	3			Online
23708	Wireless IoT	3			Blended
24704	Digital Control	3			Online
25710	Wireless Networks Technologies	3			Blended
25730	Information Security Management Systems	3			Online
25750	Blockchain Technologies	3			Blended

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Thesis Requirements (9 CHs)

Course Number	Course Title	Credit Hours	Prerequisite	Concurrent	Online
22799	Thesis	9	Finish 12 Credit Hours	22700	
227990	Thesis	0			
227993	Thesis	3			
227996	Thesis	6			